



May 4, 2023

District Supervisor  
Oil Conservation Division, District 1  
1625 North French Drive  
Hobbs, New Mexico 88240

**Re: Release Characterization and Remediation Work Plan  
Maverick Permian, LLC  
EVGSAU 2437-001 Flowline Leak  
Unit Letter P, Section 24, Township 17 South, Range 34 East  
Lea County, New Mexico  
Incident ID# nAPP2310154072**

Dear Sir or Madam,

Tetra Tech, Inc. (Tetra Tech) was contracted by Maverick Permian, LLC (Maverick) to assess a release that occurred from a surface flow line associated with the East Vacuum Grayburg San Andres Unit (EVGSAU) 2437-001. The release footprint is located near Jay Lane, in Public Land Survey System (PLSS) Unit Letter P, Section 24, Township 17 South, Range 34 East, in Lea County, New Mexico (Site). The approximate release point occurred at coordinates 32.816796 °, -103.506061 ° as shown in **Figure 1** and **Figure 2**.

## BACKGROUND

According to the State of New Mexico Oil Conservation Division (NMOCD) C-141 Initial Report, the release was discovered on February 16, 2023. The C-141 reports that the release occurred due to internal corrosion of a surface production flow line leading to a 5 barrel (bbl) spill off-pad. Approximately 4 bbls of produced water and 1 bbl of crude oil were reported released with approximately 1 barrel (bbl) of crude oil and 3 barrels (bbls) of produced water recovered by vac truck during the initial response. The NMOCD received the Initial C-141 on April 21, 2023, and subsequently assigned the release Incident ID nAPP2310153358. The initial C-141 Release notification form is included in **Attachment 1**.

### 1.1 SITE CHARACTERIZATION

Tetra Tech performed a site characterization for the release location which did not identify any watercourses, sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains within the distances specified in 19.15.09 New Mexico Administrative Code (NMAC). Based on a review of the NMOCD Mapper The Site is in an area of low karst potential. There are potential playas located less than 0.5 miles from the site, as shown in **Attachment 2**.

According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are six (6) water wells located within an 800-meter (approximately ½-mile) radius of the release location. Of the six (6) water wells, five (5) have an available depth to water for which the average depth to groundwater reported at these six wells is 90 feet below ground surface (bgs). All of the available depth to groundwater data within ½-mile of the release is greater than 25 years. The site characterization data is included in **Attachment 2**.

**Tetra Tech, Inc.**

1500 CityWest Boulevard, Houston, Texas 77042  
Tel +1.832.251.5160 | [tetrattech.com/oga](http://tetrattech.com/oga) | [tetrattech.com](http://tetrattech.com)



Release Characterization Work Plan  
 Maverick Permian, LLC  
 EVGSAU 2437-001  
 Incident ID: nAPP2310154072

May 4, 2023

## REGULATORY FRAMEWORK

Based upon the release footprint location and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chloride in soil.

Based on the site characterization and in accordance with Table I of 19.15.29.12 NMAC, the remediation RRALs for the Site are as follows for depth to groundwater as less than 50 feet below ground surface (bgs):

### Closure Criteria for Soils Impacted by a Release

Constituent	Remediation RRAL
Chloride	600 mg/kg
TPH (GRO+DRO+ORO)	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

Additionally, in accordance with the NMOCD guidance Procedures for Implementation of the Spill Rule (19.15.29 NMAC) (September 6, 2019), the following reclamation requirements for surface soils (0-4 feet bgs) outside of active oil and gas operations are as follows:

### Reclamation Requirements

Constituent	Remediation RRAL
Chloride	600 mg/kg
TPH (GRO+DRO+ORO)	100 mg/kg

## INITIAL RESPONSE ACTIVITIES

The release occurred due to internal corrosion of a surface production flow line consisting of an approximately 1,370 square foot area in open pasture, as shown in **Figure 3**. According to site records, initial response actions were taken by Maverick at the release site on February 20, 2023. Maverick responded to the site and made an initial excavation/scrape of approximately the top 6 inches of impacted material. The scraped material was sent to R360 for disposal. Confirmation samples were not collected during the initial response activities. Tetra Tech conducted a visual site inspection on March 16, 2023, to document the release and initial scrape area. The area encompassing this initial scrape was approximately 3,644 square feet as shown in **Figure 3**.

## 1.2 SITE ASSESSMENT SUMMARY

On April 4, 2023, Tetra Tech personnel returned to the Site to conduct soil sampling to delineate the release extent and confirm the efficacy of the reported remediation activities conducted during the initial response. A total of eight (7) hand auger borings were installed in an attempt to achieve horizontal delineation of the release. Hand auger borings (AH-1 through AH-7) were installed in the area of the reported release extent to depths of up to 2 feet bgs. Samples were collected from 0 to 1 foot and 1 to 2 feet bgs at each location. Hand auger refusal was encountered between 1 and 2 feet bgs due to hardpan soil material. Boring locations are presented in **Figure 4**.



Release Characterization Work Plan  
Maverick Permian, LLC  
EVGSAU 2437-001  
Incident ID: nAPP2310154072

May 4, 2023

A total of 14 samples were collected from the eight (8) borings and submitted to Cardinal Laboratory in Hobbs, New Mexico, for analysis of Total Petroleum Hydrocarbons (GRO, DRO, and EXT DRO) by EPA Method 8015M, BTEX by EPA Method 8021B, and chloride by EPA Method SM4500Cl-B. Copies of the laboratory analytical data packages are included in **Attachment 3**.

Tetra Tech did not achieve lateral delineation during the April 4, 2023 sampling event, therefore, Tetra Tech returned on April 17, 2023, to conduct additional soil sampling. Five (5) additional hand auger borings were installed in an attempt to achieve horizontal delineation of the release. Please note that the additional sampling locations were mistakenly labeled AH-1 through AH-5 as submitted to the laboratory, and are so noted in the April 17 laboratory report. For clarity in the assessment, April 17 sample locations and samples have been re-named as AH-8 through AH-12, respectively, as shown in **Figure 4**, and are referred to as such in this report. Hand auger borings (AH-8 through AH-12) were positioned around the perimeter of the initial scrape area to a depth of 0-1 foot bgs. All boring locations are presented in **Figure 4**.

A total of five (5) samples were collected from the five (5) boring locations and submitted to Cardinal Laboratory in Hobbs, NM, to be analyzed for TPH (GRO, DRO, and EXT DRO) by EPA Method 8015M, BTEX by EPA Method 8021B, and chloride by EPA Method SM4500Cl-B. The results of the second set of samples taken on April 17 confirm that the horizontal extent of the release has been delineated. A copy of the laboratory analytical report and chain-of-custody documentation are included in **Attachment 3**.

## SUMMARY OF SAMPLING RESULTS

Results from the April 4 and April 17 soil sampling events are summarized in **Table 1**. The laboratory reported concentrations of chloride, TPH, and in most cases BTEX in samples collected from AH-1 through AH-7 as greater than RRALs and Reclamation Requirements. Results from the April 17 soil sampling event at AH-8 through AH-12 reported concentrations of chloride, TPH, and BTEX as less than RRALs and Reclamation Requirements except for concentrations of Total TPH in AH-9 and AH-12 where concentrations were reported at concentrations greater than RRALs and Reclamation Requirements. Photographic documentation of Site conditions at the time of the assessment is presented in **Attachment 4**.

### 1.3 REMEDIATION WORK PLAN

Based on the analytical results from the assessment, Maverick proposes to remove the impacted material within the release extent as shown in **Figure 5**. Impacted soils will be excavated using heavy equipment (backhoes, hoe rams, and track hoes) to an approximate depth of 2 to 4 feet below the surrounding surface until representative samples from the excavation sidewalls and the floor of the excavation report concentrations of constituents as less than Site RRALs and Reclamation Requirements. Heavy equipment will come no more than two feet from any pressurized lines. Impacted soils within the vicinity of the surface and subsurface lines which intersect the release footprint will be excavated with hydro-vac excavation or dug by hand to the maximum extent practicable.

Excavated soils will be transported offsite and disposed of at an NMOCD-approved or permitted facility. Confirmation floor and sidewall samples will be collected for verification of remedial activities and analyzed for TPH, BTEX, and chloride. Once analytical results are received, NMOCD will be notified, and the excavation will then be backfilled with clean material to surface grade. The estimated volume of material to be remediated is between 260 to 540 cubic yards.



Release Characterization Work Plan  
Maverick Permian, LLC  
EVGSAU 2437-001  
Incident ID: nAPP2310154072

May 4, 2023

## CONFIRMATION SAMPLING PLAN

In accordance with 19.15.29.12(D)(1)(b) NMAC, Maverick proposes the following alternative confirmation sampling plan to adhere to NMOCD requirements. The proposed confirmation sample locations are depicted in **Figure 6**. Ten (10) confirmation floor samples and six (6) confirmation sidewall samples are proposed for verification of remedial activities. The proposed excavation encompasses a surface area of approximately 3,610 square feet.

These confirmation sidewall samples will be representative of 200 square feet or less each and floor samples will be representative of no more than approximately 500 square feet of the excavated area. Confirmation samples will be submitted to Cardinal Laboratory for analysis of TPH (Method 8015 modified), BTEX (Method 8260B), and chloride (EPA SM4500Cl-B). Once results are received, NMOCD will be notified, and the excavation will then be backfilled with clean material to surface grade.

## SITE RECLAMATION AND RESTORATION PLAN

Post-remediation, the backfilled pasture areas will be seeded (in the next first favorable growing season) to aid in revegetation. Based on the soils at the site, gravelly loam, the New Mexico State Land Office (NMSLO) Coarse (CS) Sites Seed Mixture will be used for seeding and will be planted in the amount specified in pounds of pure live seed (PLS) per acre. The seed mixture will be spread by a drill equipped with a depth regulator or a broadcaster and raked. If a broadcaster is used for dispersal, the quantity of PLS per acre will be doubled.

Site inspections will be performed to assess the revegetation progress and evaluate the site for the presence of primary or secondary noxious weeds. If noxious weeds are identified, the NMSLO will be contacted to determine an effective method for eradication. If the site does not show revegetation after one growing season, the area will be reseeded as appropriate. The NMSLO seed mixture details and corresponding pounds PLS per acre are included in **Attachment 5**. Final reclamation will create a landform that approximates and blends in with the surrounding landform while controlling erosion.

### 1.4 CONCLUSION

Maverick Natural Resources proposes to begin remediation activities at the Site within 120 days of NMOCD plan approval. Upon completion of the proposed work, a final closure report detailing the remediation activities and the results of the confirmation sampling will be submitted to NMOCD. If you have any questions concerning the soil assessment or the proposed remediation activities for the Site, please call me at (832) 252-2093.

Sincerely,



Steve Jester  
Program Manager  
Tetra Tech, Inc.



Charles H. Terhune IV, P.G.  
Program Manager  
Tetra Tech, Inc.

cc: Bryce Wagoner, Maverick Permian, LLC  
New Mexico State Land Office



Release Characterization Work Plan  
Maverick Permian, LLC  
EVGSAU 2437-001  
Incident ID: nAPP2310154072

May 4, 2023

## LIST OF ATTACHMENTS

### Figures

- Figure 1 – Overview Map
- Figure 2 – Topographic Map
- Figure 3 – Approximate Release Extent and Site Features
- Figure 4 – Site Assessment Map
- Figure 5 – Proposed Remediation Extent
- Figure 6 – Confirmation Sampling Plan

### Tables

- Table 1 – Summary of Analytical Results – Soil Assessment

### Attachments

- Attachment 1 – C-141 Forms
- Attachment 2 – Site Characterization Data
- Attachment 3 – Laboratory Analytical Data
- Attachment 4 – Photographic Documentation
- Attachment 5 – NMSLO Seed Mixture Details

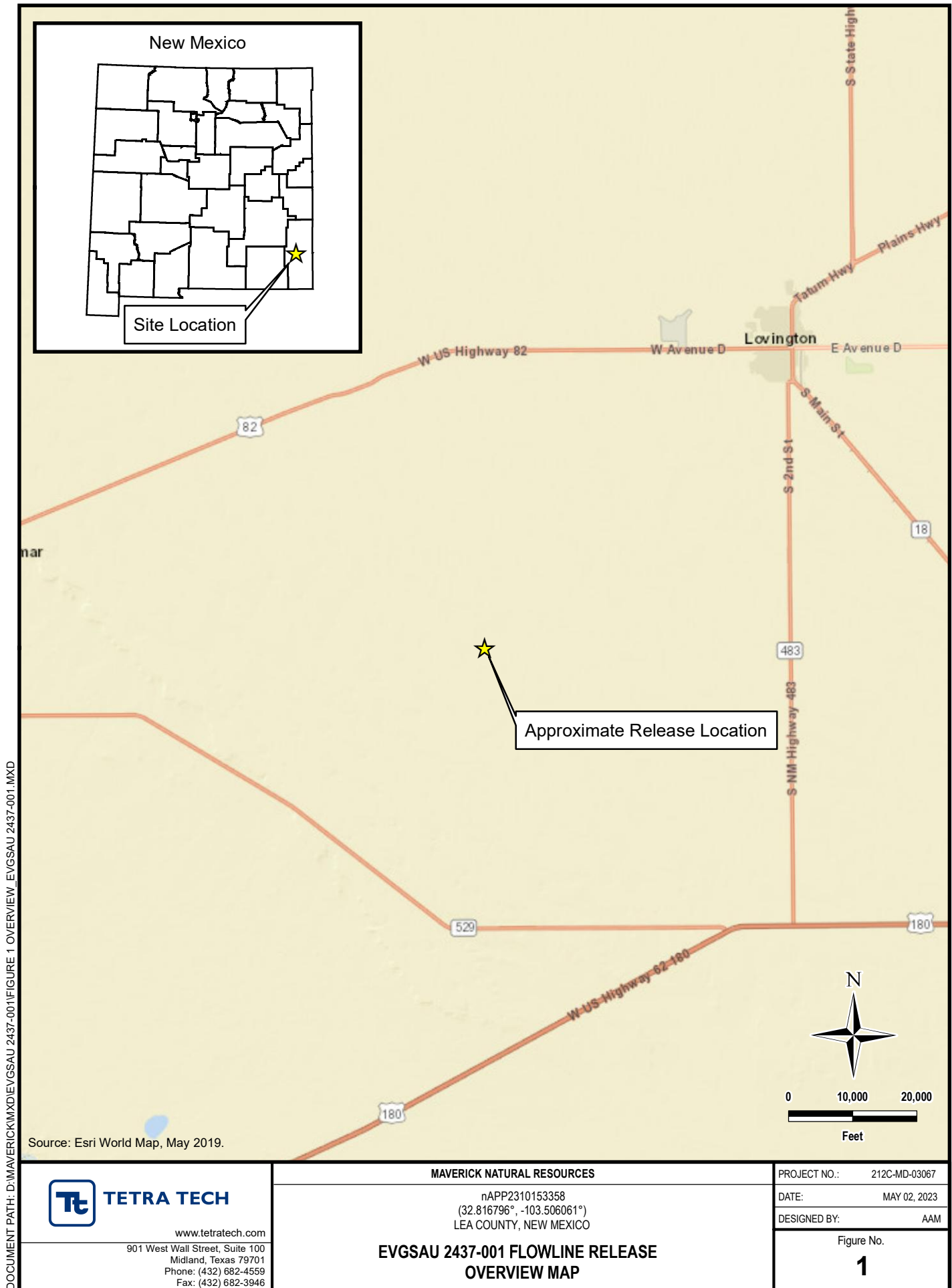


Release Characterization Work Plan  
Maverick Permian, LLC  
EVGSAU 2437-001  
Incident ID: nAPP2310154072

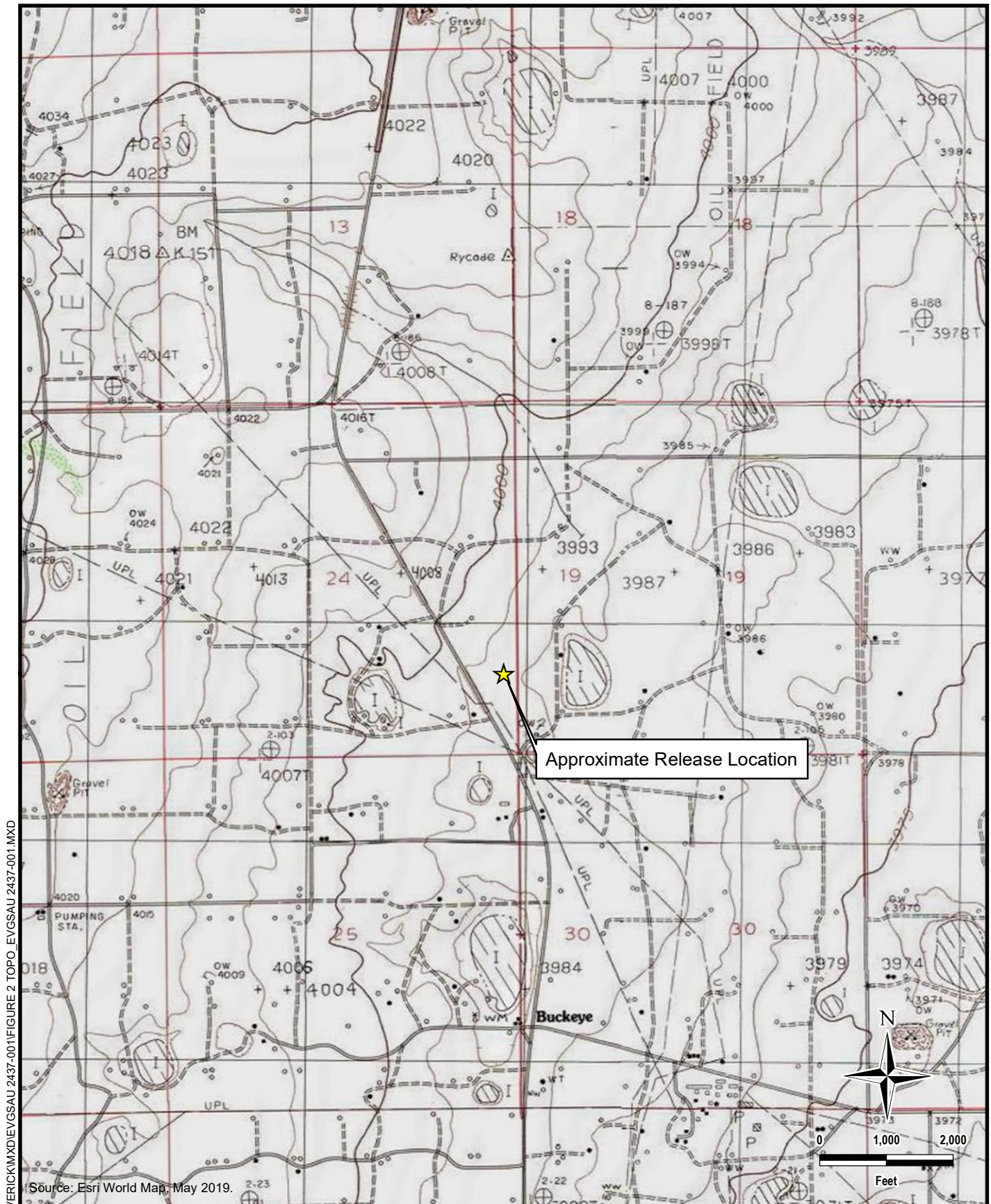
May 1, 2023

## FIGURES









DOCUMENT PATH: D:\MAVERICK\MD\DEV\SAU 2437-001\FIGURE 2 TOPO EVGSAU 2437-001.MXD


**TETRA TECH**
[www.tetrattech.com](http://www.tetrattech.com)

 901 West Wall Street, Suite 100  
 Midland, Texas 79701  
 Phone: (432) 682-4559  
 Fax: (432) 682-3946

**MAVERICK NATURAL RESOURCES**

 nAPP2310153358  
 (32.816796°, -103.506061°)  
 LEA COUNTY, NEW MEXICO

**EVGSAU 2437-001 FLOWLINE RELEASE  
TOPOGRAPHIC MAP**

PROJECT NO.: 212C-MD-03067

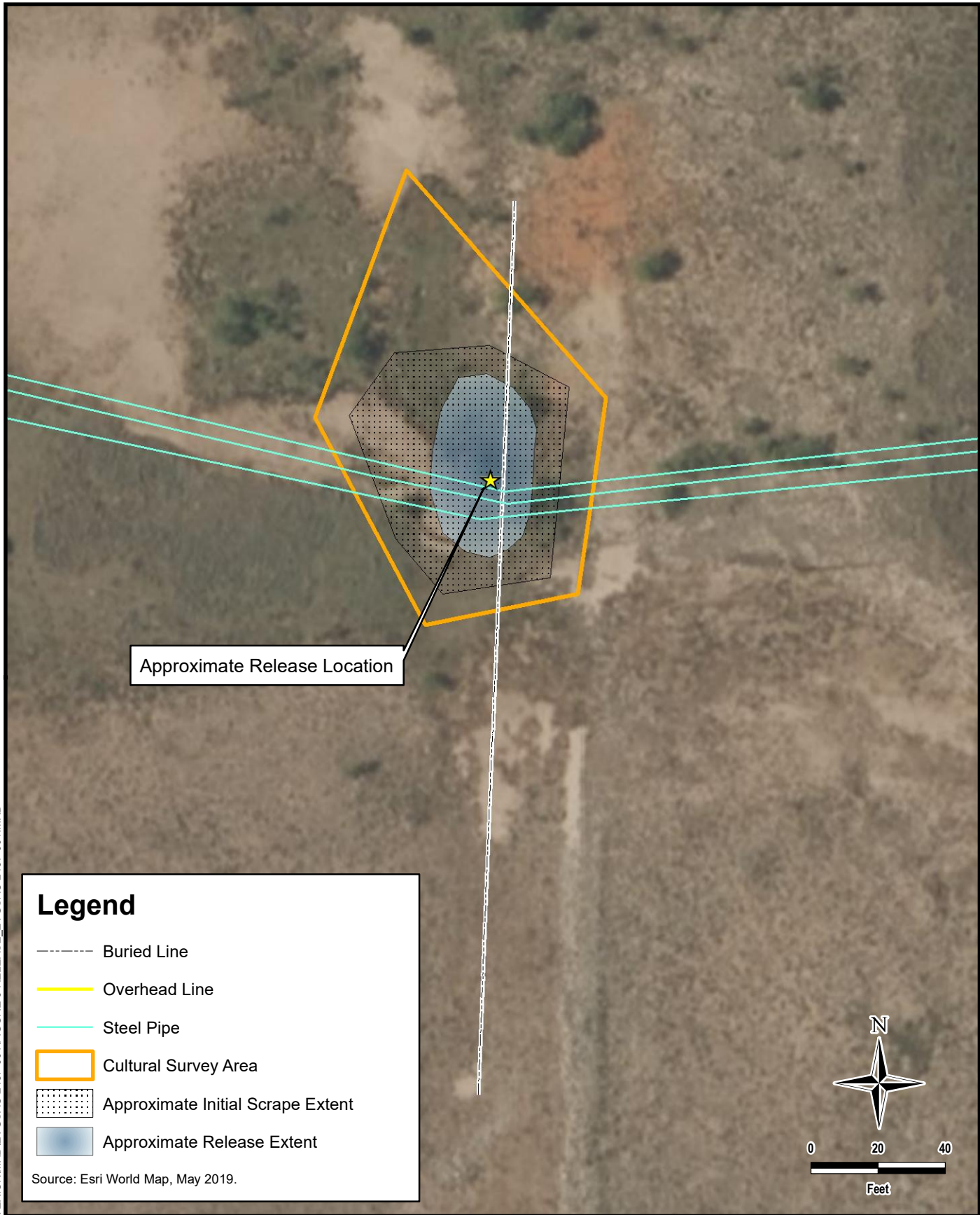
DATE: MAY 02, 2023

DESIGNED BY: AAM

Figure No.

**2**





DOCUMENT PATH: D:\MAVERICK\WMD\EVGSAU 2437-001\FIGURE 3 RELEASE EVGSAU 2437-001.MXD

## Legend

- Buried Line
- Overhead Line
- Steel Pipe
- Cultural Survey Area
- Approximate Initial Scrape Extent
- Approximate Release Extent

Source: Esri World Map, May 2019.



**TETRA TECH**

www.tetrattech.com

901 West Wall Street, Suite 100  
Midland, Texas 79701  
Phone: (432) 682-4559  
Fax: (432) 682-3946

### MAVERICK NATURAL RESOURCES

nAPP2310153358  
(32.816796°, -103.506061°)  
LEA COUNTY, NEW MEXICO

### EVGSAU 2437-001 FLOWLINE RELEASE APPROXIMATE RELEASE EXTENT AND SITE FEATURES

PROJECT NO.: 212C-MD-03067

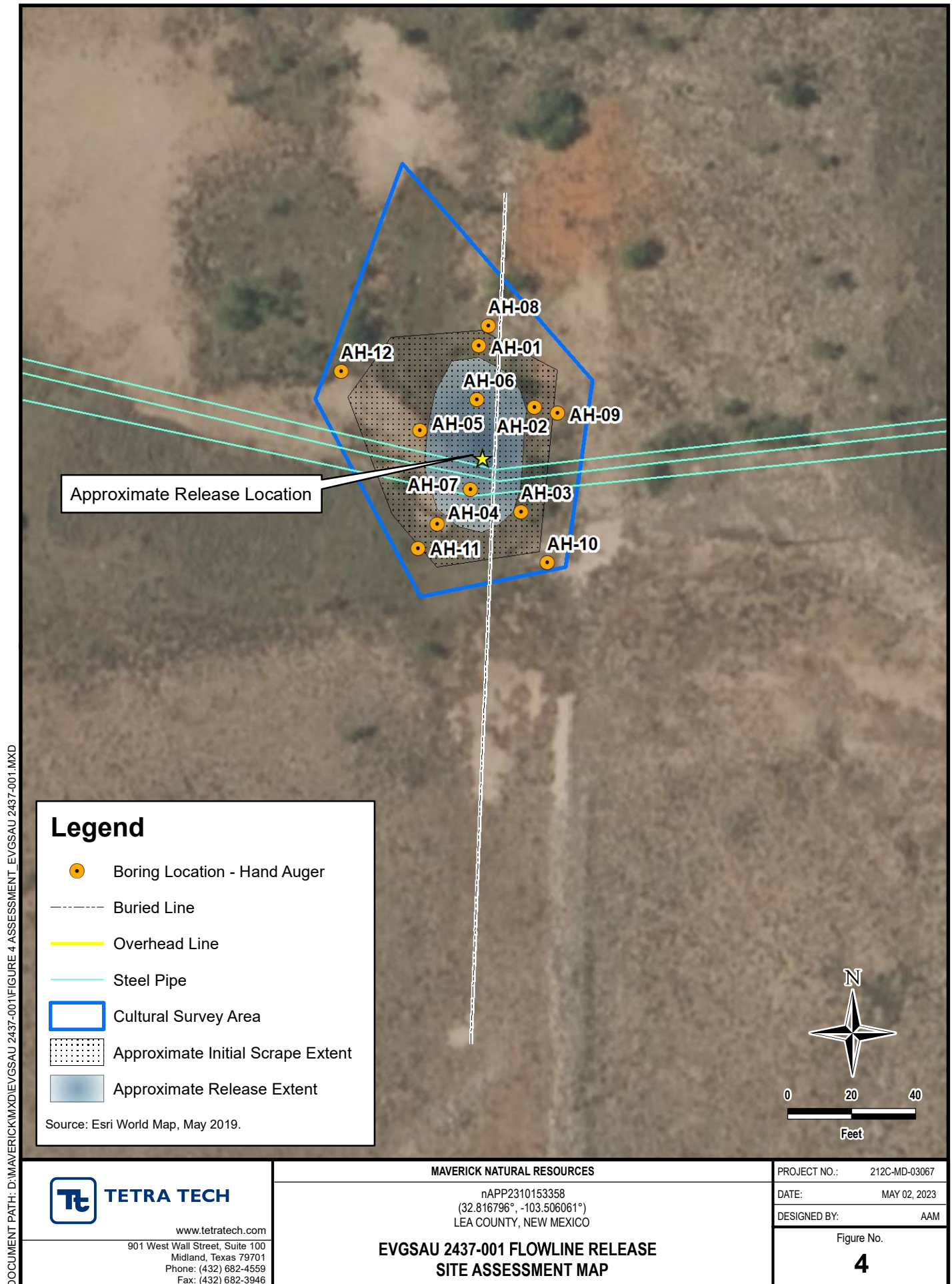
DATE: MAY 02, 2023

DESIGNED BY: AAM

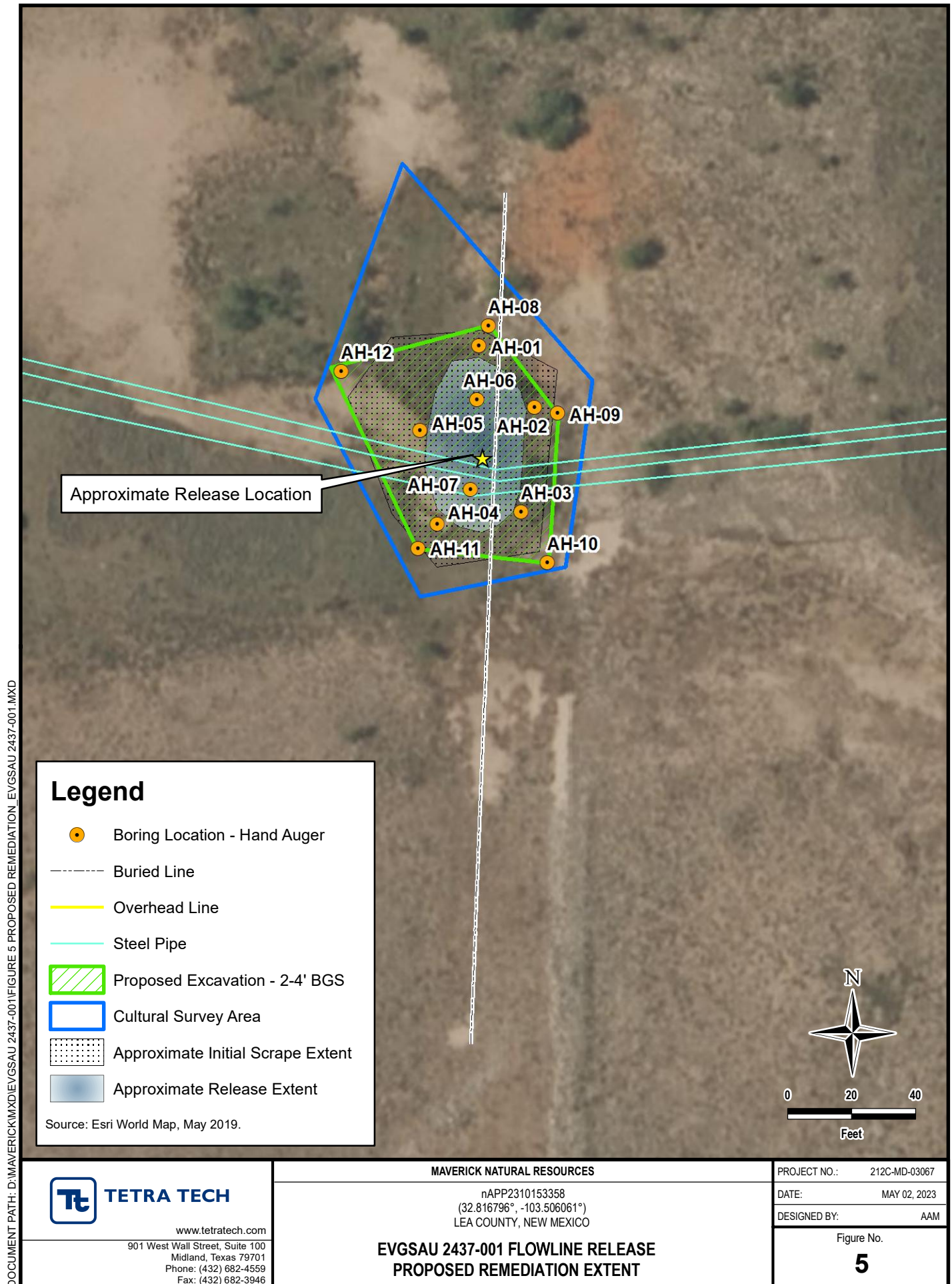
Figure No.

**3**

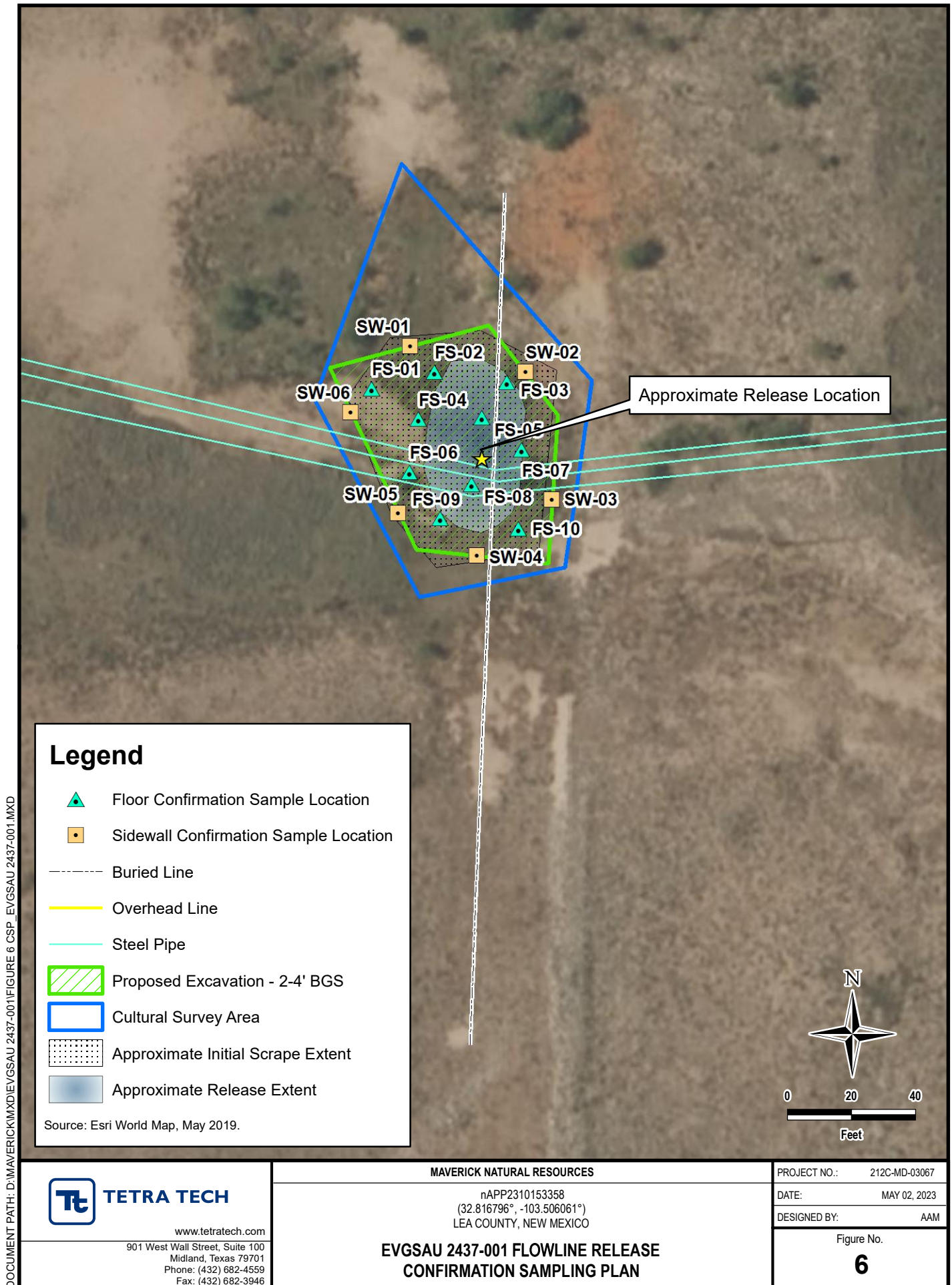














Release Characterization Work Plan  
Maverick Permian, LLC  
EVGSAU 2437-001  
Incident ID: nAPP2310154072

May 4, 2023

## TABLES



TABLE 1  
SUMMARY OF ANALYTICAL RESULTS  
ASSESSMENT SAMPLING - INCIDENT ID nAPP2310153358  
MAVERICK PERMIAN, LLC  
EVGSAU 2437-001 FLOWLINE RELEASE  
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth	Field Screening Results		Chloride <sup>1</sup>		BTEX <sup>2</sup>										TPH <sup>3</sup>							
			Chloride	PID			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH	
		feet bgs			ppm	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	(GRO+DRO+EXT DRO)
Reclamation Requirements (19.15.29 NMAC)					600		10								50								100	
AH-1	4/4/2023	0 - 1			4,000		<1.00		26.6		71.3		128		226		3,440		19,100		3,370		25,910	
AH-1	4/4/2023	1 - 2			5,120		<1.00		17.7		52.3		89		159		1,540		8,720		1,620		11,880	
AH-2	4/4/2023	0 - 1			6,160		<1.00		19.4		21.7		86		127		1,570		7,960		1,500		11,030	
AH-2	4/4/2023	1 - 2			900		0.107		3.28		8.47		16		27.9		286		1,380		242		1,908	
AH-3	4/4/2023	0 - 1			4,000		<1.00		34.7		34.9		166		235		2,920		9,930		1,780		14,630	
AH-3	4/4/2023	1 - 2			5,680		<0.050		0.694		0.954		4.14		5.79		51		442		95		588	
AH-4	4/4/2023	0 - 1			2,080		11.9		159		188		252		610		6,520		15,800		2,780		25,100	
AH-4	4/4/2023	1 - 2			3,680		7.04		118		156		230		511		4,010		10,000		1,770		15,780	
AH-5	4/4/2023	0 - 1			8,000		12.1		96.3		107		137		352		2,860		8,220		1,400		12,480	
AH-5	4/4/2023	1 - 2			6,660		19.9		150		154		200		524		4,540		10,000		1,690		16,230	
AH-6	4/4/2023	0 - 1			4,400		5.87		102		153		227		488		4,470		14,800		2,670		21,940	
AH-6	4/4/2023	1 - 2			1,420		<0.500		12.3		21.4		32		65.7		672		2,180		372		3,224	
AH-7	4/4/2023	0 - 1			3,920		9.82		174		197		249		629		4,730		10,800		1,860		17,390	
AH-7	4/4/2023	1 - 2			2,440		<1.00		22		47.7		84.7		154		1,920		5,180		911		8,011	
AH-8	4/17/2023	0 - 1			128.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		45		20.1		65.1	
AH-9	4/17/2023	0 - 1			64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		146		40.7		186.7	
AH-10	4/17/2023	0 - 1			304.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		66.8		29.4		96.2	
AH-11	4/17/2023	0 - 1			144.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30	
AH-12	4/17/2023	0 - 1			64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		148		39		187	

NOTES:

bgs: Below ground surface

mg/kg: Milligrams per kilogram

TPH: Total Petroleum Hydrocarbons

GRO: Gasoline range organics

DRO: Diesel range organics

1: Method SM4500Cl-B

2: Method 8021B

3: Method 8015M

**Bold and italicized highlighted values indicate exceedance of Remediation RRALs or Reclamation Requirements, as applicable.**



Release Characterization Work Plan  
Maverick Permian, LLC  
EVGSAU 2437-001  
Incident ID: nAPP2310154072

May 4, 2023

## ATTACHMENT 1 – C-141 FORMS



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural  
Resources Department  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	nAPP2310154072
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party	Maverick Permian, LLC	OGRID	331199
Contact Name	Bryce Wagoner	Contact Telephone	(928) 241-1862
Contact email	Bryce.Wagoner@mavresources.com	Incident # (assigned by OCD)	nAPP2310154072
Contact mailing address	1410 NW County Road Hobbs, New Mexico 88240		

### Location of Release Source

Latitude 32.816796 Longitude -103.506061  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	EVGSAU 2437-001	Site Type	Flowline Leak
Date Release Discovered	02/16/2023	API# (if applicable)	

Unit Letter	Section	Township	Range	County
P	24	17S	34E	Lea

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 1	Volume Recovered (bbls) 1
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 4	Volume Recovered (bbls) 3
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

#### Cause of Release

Internal corrosion of a surface production flow line leading to a 5 bbl spill off-pad. One bbl of oil and three bbls of produced water were recovered with a vac-truck upon discovery.



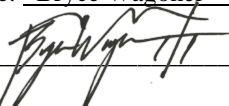
State of New Mexico  
Oil Conservation Division

Incident ID	nAPP2310154072
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Not Applicable	

**Initial Response**

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Bryce Wagoner</u>	Title: <u>Permian HSE Specialist</u>
Signature: 	Date: <u>4/21/2023</u>
email: <u>Bryce.Wagoner@mavresources.com</u>	Telephone: <u>(928) 241-1862</u>
<b><u>OCD Only</u></b>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>04/21/2023</u>



Incident ID	nAPP2310154072
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>Unk.</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

### **Characterization Report Checklist:** *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

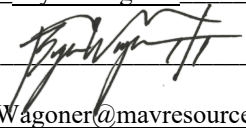
If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.



State of New Mexico  
Oil Conservation Division

Incident ID	nAPP2310154072
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Bryce Wagoner Title: Permian HSE SpecialistSignature: Date: 5.11.2023email: Bryce.Wagoner@mavresources.comTelephone: (928) 241-1862**OCD Only**Received by: Jocelyn HarimonDate: 05/12/2023



Incident ID	nAPP2310154072
District RP	
Facility ID	
Application ID	

## Remediation Plan

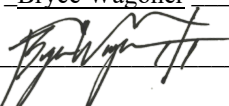
**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

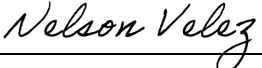
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Bryce Wagoner Title: Permian HSE Specialist  
Signature:  Date: 5.11.2023  
email: Bryce.Wagoner@mavresources.com Telephone: (928) 241-1862

**OCD Only**

Received by: Jocelyn Harimon Date: 05/12/2023

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature:  Date: 07/31/2023



Incident ID	nAPP2310154072
District RP	
Facility ID	
Application ID	

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist: Each of the following items must be included in the closure report.**

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_



Release Characterization Work Plan  
Maverick Permian, LLC  
EVGSAU 2437-001  
Incident ID: nAPP2310154072

May 4, 2023

## ATTACHMENT 2 – SITE CHARACTERIZATION DATA





# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,  
O=orphaned,  
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">L 04829 POD7</a>	L	LE		3	3	3	19	17S	35E	640012	3631688*	327	210	70	140
<a href="#">L 05439</a>	L	LE		2	3	3	19	17S	35E	640212	3631888*	372	135	85	50
<a href="#">L 05022</a>	L	LE			3	4	24	17S	34E	639310	3631773*	574	140	80	60
<a href="#">L 03846</a>	L	LE			4	2	24	17S	34E	639699	3632588*	633	225		
<a href="#">L 06357 S</a>	L	LE			1	1	30	17S	35E	640119	3631386*	645	163	85	78
<a href="#">L 06357 S2</a>	L	LE		3	1	1	30	17S	35E	640017	3631285	707	230	130	100

Average Depth to Water: **90 feet**

Minimum Depth: **70 feet**

Maximum Depth: **130 feet**

Record Count: 6

### Basin/County Search:

County: Lea

### UTMNAD83 Radius Search (in meters):

Easting (X): 639848.95

Northing (Y): 3631972.55

Radius: 800

\*UTM location was derived from PLSS - see Help

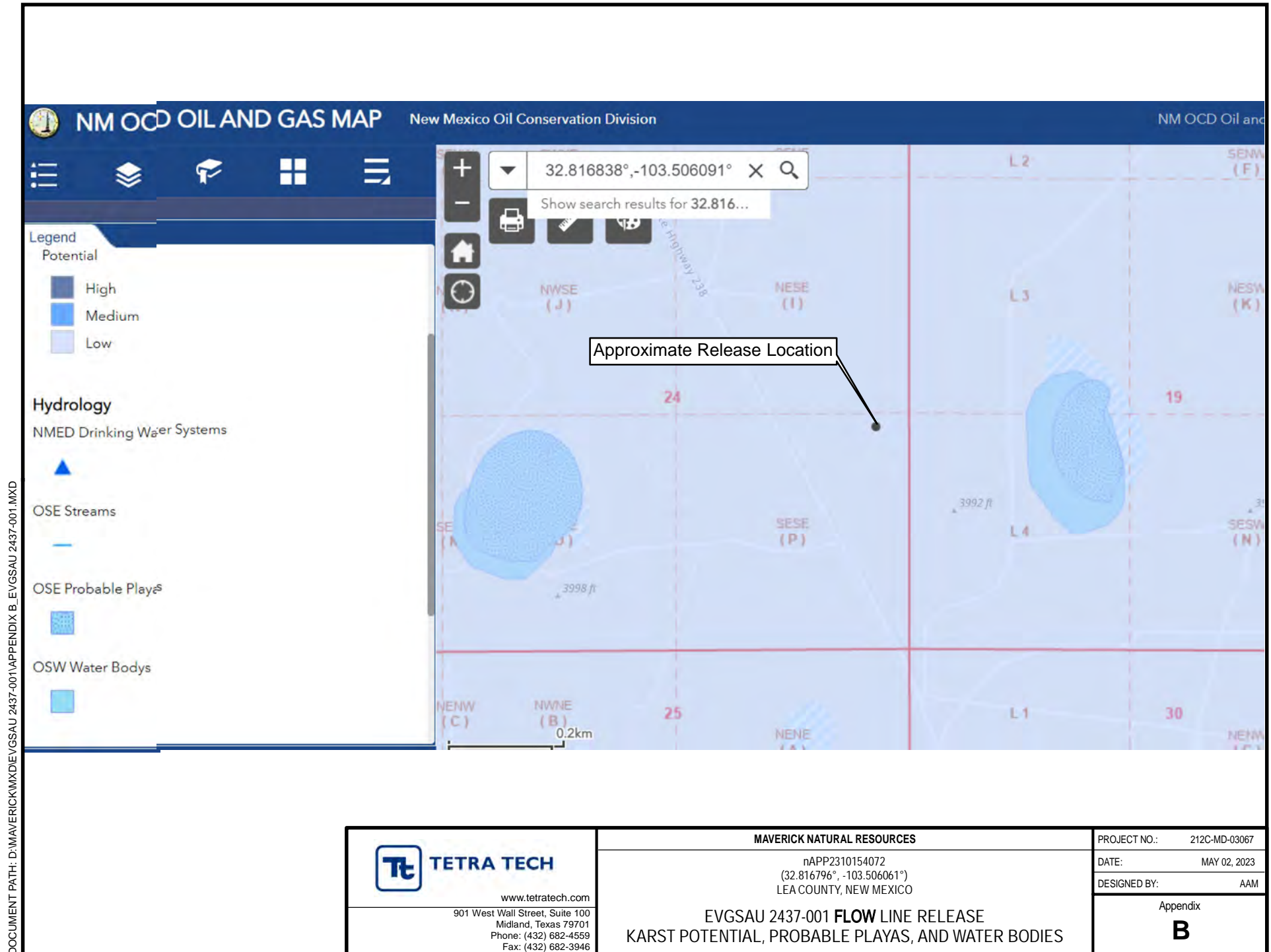
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

4/20/23 2:30 PM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER







Release Characterization Work Plan  
Maverick Permian, LLC  
EVGSAU 2437-001  
Incident ID: nAPP2310154072

May 4, 2023

## **ATTACHMENT 3 – LABORATORY ANALYTICAL DATA**





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

April 10, 2023

CHUCK TERHUNE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: EVGSAU 2437-001

Enclosed are the results of analyses for samples received by the laboratory on 04/04/23 12:38.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager





PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	04/04/2023	Sampling Date:	04/04/2023
Reported:	04/10/2023	Sampling Type:	Soil
Project Name:	EVGSAU 2437-001	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03067	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: AH - 1 (0-1') (H231534-01)**

BTX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	04/05/2023	ND	2.00	99.8	2.00	1.43	
Toluene*	26.6	1.00	04/05/2023	ND	2.02	101	2.00	1.34	
Ethylbenzene*	71.3	1.00	04/05/2023	ND	2.05	102	2.00	1.80	
Total Xylenes*	128	3.00	04/05/2023	ND	6.25	104	6.00	2.33	
Total BTX	226	6.00	04/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 129 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	04/05/2023	ND	432	108	400	3.64	
TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	3440	50.0	04/05/2023	ND	195	97.4	200	3.03	QM-07, QR-03
DRO >C10-C28*	19100	50.0	04/05/2023	ND	197	98.7	200	6.89	QM-07
EXT DRO >C28-C36	3370	50.0	04/05/2023	ND					

Surrogate: 1-Chlorooctane 353 % 48.2-134

Surrogate: 1-Chlorooctadecane 396 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	04/04/2023	Sampling Date:	04/04/2023
Reported:	04/10/2023	Sampling Type:	Soil
Project Name:	EVGSAU 2437-001	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03067	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: AH - 1 (1-2') (H231534-02)**

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	04/05/2023	ND	2.00	99.8	2.00	1.43	
Toluene*	17.7	1.00	04/05/2023	ND	2.02	101	2.00	1.34	
Ethylbenzene*	52.3	1.00	04/05/2023	ND	2.05	102	2.00	1.80	
Total Xylenes*	89.0	3.00	04/05/2023	ND	6.25	104	6.00	2.33	
Total BTEX	159	6.00	04/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	16.0	04/05/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1540	50.0	04/05/2023	ND	195	97.4	200	3.03	
DRO >C10-C28*	8720	50.0	04/05/2023	ND	197	98.7	200	6.89	
EXT DRO >C28-C36	1620	50.0	04/05/2023	ND					

Surrogate: 1-Chlorooctane 221 % 48.2-134

Surrogate: 1-Chlorooctadecane 183 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	04/04/2023	Sampling Date:	04/04/2023
Reported:	04/10/2023	Sampling Type:	Soil
Project Name:	EVGSAU 2437-001	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03067	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: AH - 2 (0-1') (H231534-03)**

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	04/05/2023	ND	2.00	99.8	2.00	1.43	
Toluene*	19.4	1.00	04/05/2023	ND	2.02	101	2.00	1.34	
Ethylbenzene*	21.7	1.00	04/05/2023	ND	2.05	102	2.00	1.80	
Total Xylenes*	86.0	3.00	04/05/2023	ND	6.25	104	6.00	2.33	
Total BTEX	127	6.00	04/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6160	16.0	04/05/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1570	50.0	04/05/2023	ND	195	97.4	200	3.03	
DRO >C10-C28*	7960	50.0	04/05/2023	ND	197	98.7	200	6.89	
EXT DRO >C28-C36	1500	50.0	04/05/2023	ND					

Surrogate: 1-Chlorooctane 208 % 48.2-134

Surrogate: 1-Chlorooctadecane 169 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	04/04/2023	Sampling Date:	04/04/2023
Reported:	04/10/2023	Sampling Type:	Soil
Project Name:	EVGSAU 2437-001	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03067	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: AH - 2 (1-2') (H231534-04)**

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.107</b>	0.050	04/05/2023	ND	2.00	99.8	2.00	1.43	
<b>Toluene*</b>	<b>3.28</b>	0.050	04/05/2023	ND	2.02	101	2.00	1.34	
<b>Ethylbenzene*</b>	<b>8.47</b>	0.050	04/05/2023	ND	2.05	102	2.00	1.80	
<b>Total Xylenes*</b>	<b>16.0</b>	0.150	04/05/2023	ND	6.25	104	6.00	2.33	
<b>Total BTEX</b>	<b>27.9</b>	0.300	04/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 194 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>9400</b>	16.0	04/05/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>286</b>	10.0	04/05/2023	ND	195	97.4	200	3.03	
<b>DRO &gt;C10-C28*</b>	<b>1380</b>	10.0	04/05/2023	ND	197	98.7	200	6.89	
<b>EXT DRO &gt;C28-C36</b>	<b>242</b>	10.0	04/05/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	04/04/2023	Sampling Date:	04/04/2023
Reported:	04/10/2023	Sampling Type:	Soil
Project Name:	EVGSAU 2437-001	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03067	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: AH - 3 (0-1') (H231534-05)**

BTX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	04/05/2023	ND	2.00	99.8	2.00	1.43	
Toluene*	34.7	1.00	04/05/2023	ND	2.02	101	2.00	1.34	
Ethylbenzene*	34.9	1.00	04/05/2023	ND	2.05	102	2.00	1.80	
Total Xylenes*	166	3.00	04/05/2023	ND	6.25	104	6.00	2.33	
Total BTX	235	6.00	04/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 136 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	04/05/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2920	50.0	04/05/2023	ND	195	97.4	200	3.03	
DRO >C10-C28*	9930	50.0	04/05/2023	ND	197	98.7	200	6.89	
EXT DRO >C28-C36	1780	50.0	04/05/2023	ND					

Surrogate: 1-Chlorooctane 248 % 48.2-134

Surrogate: 1-Chlorooctadecane 203 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	04/04/2023	Sampling Date:	04/04/2023
Reported:	04/10/2023	Sampling Type:	Soil
Project Name:	EVGSAU 2437-001	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03067	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: AH - 3 (1-2') (H231534-06)**

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2023	ND	2.00	99.8	2.00	1.43	
Toluene*	<b>0.694</b>	0.050	04/05/2023	ND	2.02	101	2.00	1.34	
Ethylbenzene*	<b>0.954</b>	0.050	04/05/2023	ND	2.05	102	2.00	1.80	
Total Xylenes*	<b>4.14</b>	0.150	04/05/2023	ND	6.25	104	6.00	2.33	
Total BTEX	<b>5.79</b>	0.300	04/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 133 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>5680</b>	16.0	04/05/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<b>50.7</b>	10.0	04/05/2023	ND	195	97.4	200	3.03	
DRO >C10-C28*	<b>442</b>	10.0	04/05/2023	ND	197	98.7	200	6.89	
EXT DRO >C28-C36	<b>95.1</b>	10.0	04/05/2023	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 04/04/2023  
 Reported: 04/10/2023  
 Project Name: EVGSAU 2437-001  
 Project Number: 212C - MD - 03067  
 Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: AH - 4 (0-1') (H231534-07)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	11.9	2.00	04/05/2023	ND	2.00	99.8	2.00	1.43	
Toluene*	159	2.00	04/05/2023	ND	2.02	101	2.00	1.34	
Ethylbenzene*	188	2.00	04/05/2023	ND	2.05	102	2.00	1.80	
Total Xylenes*	252	6.00	04/05/2023	ND	6.25	104	6.00	2.33	
Total BTEX	610	12.0	04/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2080	16.0	04/05/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	6520	50.0	04/05/2023	ND	195	97.4	200	3.03	
DRO >C10-C28*	15800	50.0	04/05/2023	ND	197	98.7	200	6.89	
EXT DRO >C28-C36	2780	50.0	04/05/2023	ND					

Surrogate: 1-Chlorooctane 332 % 48.2-134

Surrogate: 1-Chlorooctadecane 311 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	04/04/2023	Sampling Date:	04/04/2023
Reported:	04/10/2023	Sampling Type:	Soil
Project Name:	EVGSAU 2437-001	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03067	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: AH - 4 (1-2') (H231534-08)**

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>7.04</b>	1.00	04/05/2023	ND	2.00	99.8	2.00	1.43	
<b>Toluene*</b>	<b>118</b>	1.00	04/05/2023	ND	2.02	101	2.00	1.34	
<b>Ethylbenzene*</b>	<b>156</b>	1.00	04/05/2023	ND	2.05	102	2.00	1.80	
<b>Total Xylenes*</b>	<b>230</b>	3.00	04/05/2023	ND	6.25	104	6.00	2.33	
<b>Total BTEX</b>	<b>511</b>	6.00	04/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 133 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>3680</b>	16.0	04/05/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>4010</b>	50.0	04/05/2023	ND	195	97.4	200	3.03	
<b>DRO &gt;C10-C28*</b>	<b>10000</b>	50.0	04/05/2023	ND	197	98.7	200	6.89	
<b>EXT DRO &gt;C28-C36</b>	<b>1770</b>	50.0	04/05/2023	ND					

Surrogate: 1-Chlorooctane 249 % 48.2-134

Surrogate: 1-Chlorooctadecane 197 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	04/04/2023	Sampling Date:	04/04/2023
Reported:	04/10/2023	Sampling Type:	Soil
Project Name:	EVGSAU 2437-001	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03067	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: AH - 5 (0-1') (H231534-09)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	12.1	1.00	04/05/2023	ND	2.00	99.8	2.00	1.43	
Toluene*	96.3	1.00	04/05/2023	ND	2.02	101	2.00	1.34	
Ethylbenzene*	107	1.00	04/05/2023	ND	2.05	102	2.00	1.80	
Total Xylenes*	137	3.00	04/05/2023	ND	6.25	104	6.00	2.33	
Total BTEX	352	6.00	04/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8000	16.0	04/05/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2860	50.0	04/05/2023	ND	195	97.4	200	3.03	
DRO >C10-C28*	8220	50.0	04/05/2023	ND	197	98.7	200	6.89	
EXT DRO >C28-C36	1400	50.0	04/05/2023	ND					

Surrogate: 1-Chlorooctane 225 % 48.2-134

Surrogate: 1-Chlorooctadecane 168 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	04/04/2023	Sampling Date:	04/04/2023
Reported:	04/10/2023	Sampling Type:	Soil
Project Name:	EVGSAU 2437-001	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03067	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: AH - 5 (1-2') (H231534-10)**

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>19.9</b>	1.00	04/05/2023	ND	2.00	99.8	2.00	1.43	
<b>Toluene*</b>	<b>150</b>	1.00	04/05/2023	ND	2.02	101	2.00	1.34	
<b>Ethylbenzene*</b>	<b>154</b>	1.00	04/05/2023	ND	2.05	102	2.00	1.80	
<b>Total Xylenes*</b>	<b>200</b>	3.00	04/05/2023	ND	6.25	104	6.00	2.33	
<b>Total BTEX</b>	<b>524</b>	6.00	04/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>6660</b>	16.0	04/05/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>4540</b>	50.0	04/05/2023	ND	195	97.4	200	3.03	
<b>DRO &gt;C10-C28*</b>	<b>10000</b>	50.0	04/05/2023	ND	197	98.7	200	6.89	
<b>EXT DRO &gt;C28-C36</b>	<b>1690</b>	50.0	04/05/2023	ND					

Surrogate: 1-Chlorooctane 240 % 48.2-134

Surrogate: 1-Chlorooctadecane 198 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	04/04/2023	Sampling Date:	04/04/2023
Reported:	04/10/2023	Sampling Type:	Soil
Project Name:	EVGSAU 2437-001	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03067	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: AH - 6 (0-1') (H231534-11)**

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>5.87</b>	1.00	04/05/2023	ND	2.00	99.8	2.00	1.43	
<b>Toluene*</b>	<b>102</b>	1.00	04/05/2023	ND	2.02	101	2.00	1.34	
<b>Ethylbenzene*</b>	<b>153</b>	1.00	04/05/2023	ND	2.05	102	2.00	1.80	
<b>Total Xylenes*</b>	<b>227</b>	3.00	04/05/2023	ND	6.25	104	6.00	2.33	
<b>Total BTEX</b>	<b>488</b>	6.00	04/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 142 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>4400</b>	16.0	04/05/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>4470</b>	50.0	04/05/2023	ND	195	97.4	200	3.03	
<b>DRO &gt;C10-C28*</b>	<b>14800</b>	50.0	04/05/2023	ND	197	98.7	200	6.89	
<b>EXT DRO &gt;C28-C36</b>	<b>2670</b>	50.0	04/05/2023	ND					

Surrogate: 1-Chlorooctane 700 % 48.2-134

Surrogate: 1-Chlorooctadecane 565 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	04/04/2023	Sampling Date:	04/04/2023
Reported:	04/10/2023	Sampling Type:	Soil
Project Name:	EVGSAU 2437-001	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03067	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: AH - 6 (1-2') (H231534-12)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	04/06/2023	ND	2.00	99.8	2.00	1.43	
Toluene*	12.3	0.500	04/06/2023	ND	2.02	101	2.00	1.34	
Ethylbenzene*	21.4	0.500	04/06/2023	ND	2.05	102	2.00	1.80	
Total Xylenes*	32.0	1.50	04/06/2023	ND	6.25	104	6.00	2.33	
Total BTEX	65.7	3.00	04/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1420	16.0	04/05/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	672	10.0	04/05/2023	ND	195	97.4	200	3.03	
DRO >C10-C28*	2180	10.0	04/05/2023	ND	197	98.7	200	6.89	
EXT DRO >C28-C36	372	10.0	04/05/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 04/04/2023  
 Reported: 04/10/2023  
 Project Name: EVGSAU 2437-001  
 Project Number: 212C - MD - 03067  
 Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: AH - 7 (0-1') (H231534-13)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	9.82	2.00	04/06/2023	ND	2.00	99.8	2.00	1.43	
Toluene*	174	2.00	04/06/2023	ND	2.02	101	2.00	1.34	
Ethylbenzene*	197	2.00	04/06/2023	ND	2.05	102	2.00	1.80	
Total Xylenes*	249	6.00	04/06/2023	ND	6.25	104	6.00	2.33	
Total BTEX	629	12.0	04/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3920	16.0	04/05/2023	ND	400	100	400	3.92	QM-07	
TPH 8015M	mg/kg		Analyzed By: MS						S-06	

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>4730</b>	50.0	04/05/2023	ND	195	97.4	200	3.03	
<b>DRO &gt;C10-C28*</b>	<b>10800</b>	50.0	04/05/2023	ND	197	98.7	200	6.89	
<b>EXT DRO &gt;C28-C36</b>	<b>1860</b>	50.0	04/05/2023	ND					

Surrogate: 1-Chlorooctane 262 % 48.2-134

Surrogate: 1-Chlorooctadecane 213 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	04/04/2023	Sampling Date:	04/04/2023
Reported:	04/10/2023	Sampling Type:	Soil
Project Name:	EVGSAU 2437-001	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03067	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: AH - 7 (1-2') (H231534-14)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	04/06/2023	ND	2.00	99.8	2.00	1.43	
Toluene*	22.0	1.00	04/06/2023	ND	2.02	101	2.00	1.34	
Ethylbenzene*	47.7	1.00	04/06/2023	ND	2.05	102	2.00	1.80	
Total Xylenes*	84.7	3.00	04/06/2023	ND	6.25	104	6.00	2.33	
Total BTEX	154	6.00	04/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2440	16.0	04/05/2023	ND	400	100	400	3.92		
TPH 8015M		mg/kg		Analyzed By: MS						S-06

Surrogate: 1-Chlorooctane 191 % 48.2-134

Surrogate: 1-Chlorooctadecane 170 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

### Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



## Analysis Request of Custody Record



Tetra Tech, Inc.

 901 W. Wall Street, Ste 1100  
 Midland, Texas 79705  
 Tel (432) 682-4559  
 Fax (432) 682-3946

Page 1 of 2

Client Name:

Maverick Natural Resources

Site Manager:

Chuck Terhune

Project Name:

EVGSAU 2437-001

Project Location:

Lea County NM

Project #:

212c-MD-03067

Invoice to:

Chuck.Terhune@Tetrattech.com

Receiving Laboratory:

Cardenal Labs

Sampler Signature:

Comments:

## SAMPLE IDENTIFICATION

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO <sub>3</sub>	ICE	None		
1	AH-1 (0-1')	4-4-23		X			X				
2	AH-1 (1-2')	4-4-23		X			X				
3	AH-2 (0-1')	4-4-23		X			X				
4	AH-2 (1-2')	4-4-23		X			X				
5	AH-3 (0-1')	4-4-23		X			X				
6	AH-3 (1-2')	4-4-23		X			X				
7	AH-4 (0-1')	4-4-23		X			X				
8	AH-4 (1-2')	4-4-23		X			X				
9	AH-5 (0-1')	4-4-23		X			X				
10	AH-5 (1-2')	4-4-23		X			X				

BTEX 8021B	BTEX 8260B
TPH TX1005 (Ext to C35)	
TPH 8015M (GRO - DRO - ORO - MRO)	
PAH 8270C	
Total Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Volatiles	
TCLP Semi Volatiles	
RCI	
GC/MS Vol. 8260B / 624	
GC/MS Semi. Vol. 8270C/625	
PCB's 8082 / 608	
NORM	
PLM (Asbestos)	
Chloride	
Chloride Sulfate TDS	
General Water Chemistry (see attached list)	
Anion/Cation Balance	
Hold	

ANALYSIS REQUEST  
(Circle or Specify Method No.)

REMARKS:

☒ STANDARD

☐ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

Sample Temperature

44°C

58c #113

LAB USE ONLY

4/4/23 1238

4/4/23 1238

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY



Analysis Request of Custody Record



Tetra Tech, Inc.

901 W Wall Street, Ste 100  
Midland, Texas 79705  
Tel (432) 682-4559  
Fax (432) 682-3946

Page 2 of 2

Client Name:

Maverick Natural Resources

Site Manager:

Chuck Terhune

Project Name:

EVGSAV 2437 - 001

Project Location:

(county, state)  
Lea County NM

Project #:

212c-MD-03067

Invoice to:

Chuck Terhune @ Tetratech. Com

Receiving Laboratory:

Cordena Labs

Sampler Signature:

*[Signature]*

Comments:

SAMPLE IDENTIFICATION

LAB #

1031534

SAMPLING

MATRIX

PRESERVATIVE METHOD

# CONTAINERS

FILTERED (Y/N)

DATE

TIME

WATER

SOIL

HCL

HNO<sub>3</sub>

ICE

None

BTX 8021B BTX 8260B

TPH TX1005 (Ext to C35)

TPH 8015M ( GRO - DRO - ORO - MPO )

PAH 8270C

Total Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8260B / 624

GC/MS Semi. Vol. 8270C/625

PCB's 8082 / 608

NORM

PLM (Asbestos)

Chloride

Chloride Sulfate TDS

General Water Chemistry (see attached list)

Anion/Cation Balance

Hold

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY

LAB USE ONLY





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

April 21, 2023

CHUCK TERHUNE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: EVGSAU 2437-001

Enclosed are the results of analyses for samples received by the laboratory on 04/17/23 13:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	04/17/2023	Sampling Date:	04/17/2023
Reported:	04/21/2023	Sampling Type:	Soil
Project Name:	EVGSAU 2437-001	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03067	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: AH - 1 (0-1') (H231832-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2023	ND	2.03	101	2.00	22.5	
Toluene*	<0.050	0.050	04/20/2023	ND	2.11	105	2.00	22.8	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.18	109	2.00	23.8	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.64	111	6.00	23.2	
Total BTX	<0.300	0.300	04/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/19/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	167	83.5	200	5.77	
DRO >C10-C28*	45.0	10.0	04/20/2023	ND	166	83.1	200	0.572	
EXT DRO >C28-C36	20.1	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 04/17/2023  
 Reported: 04/21/2023  
 Project Name: EVGSAU 2437-001  
 Project Number: 212C - MD - 03067  
 Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: AH - 2 (0-1') (H231832-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/20/2023	ND	2.03	101	2.00	22.5		
Toluene*	<0.050	0.050	04/20/2023	ND	2.11	105	2.00	22.8		
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.18	109	2.00	23.8		
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.64	111	6.00	23.2		
Total BTEx	<0.300	0.300	04/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	167	83.5	200	5.77	
DRO >C10-C28*	146	10.0	04/20/2023	ND	166	83.1	200	0.572	
EXT DRO >C28-C36	40.7	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 04/17/2023  
 Reported: 04/21/2023  
 Project Name: EVGSAU 2437-001  
 Project Number: 212C - MD - 03067  
 Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: AH - 3 (0-1') (H231832-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/20/2023	ND	2.03	101	2.00	22.5		
Toluene*	<0.050	0.050	04/20/2023	ND	2.11	105	2.00	22.8		
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.18	109	2.00	23.8		
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.64	111	6.00	23.2		
Total BTEX	<0.300	0.300	04/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	04/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2023	ND	167	83.5	200	5.77	
DRO >C10-C28*	66.8	10.0	04/21/2023	ND	166	83.1	200	0.572	
EXT DRO >C28-C36	29.4	10.0	04/21/2023	ND					

Surrogate: 1-Chlorooctane 73.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.3 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 04/17/2023  
 Reported: 04/21/2023  
 Project Name: EVGSAU 2437-001  
 Project Number: 212C - MD - 03067  
 Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: AH - 4 (0-1') (H231832-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/20/2023	ND	2.03	101	2.00	22.5		
Toluene*	<0.050	0.050	04/20/2023	ND	2.11	105	2.00	22.8		
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.18	109	2.00	23.8		
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.64	111	6.00	23.2		
Total BTEx	<0.300	0.300	04/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	167	83.5	200	5.77	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	166	83.1	200	0.572	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 73.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 04/17/2023  
 Reported: 04/21/2023  
 Project Name: EVGSAU 2437-001  
 Project Number: 212C - MD - 03067  
 Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: AH - 5 (0-1') (H231832-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/20/2023	ND	2.03	101	2.00	22.5		
Toluene*	<0.050	0.050	04/20/2023	ND	2.11	105	2.00	22.8		
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.18	109	2.00	23.8		
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.64	111	6.00	23.2		
Total BTEx	<0.300	0.300	04/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/19/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	167	83.5	200	5.77	
DRO >C10-C28*	148	10.0	04/20/2023	ND	166	83.1	200	0.572	
EXT DRO >C28-C36	39.0	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 60.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.6 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

### Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901W Wall Street, Ste 100  
Midland, Texas 79705  
Tel (432) 682-4559  
Fax (432) 682-3946

Page 1 of 1

Client Name:

Maverick

Site Manager:

Chuck Terhune

Project Name:

EV65AU 2437-001

(251) 355-8465 chack.terhune@tetra-tech.com

Project Location:

(county, state)  
Lee County, NM

Project #:

212C-MD-03067

Invoice to:

chuck.terhune@tetra-tech.com

Receiving Laboratory:

Cardinal Labs

Sampler Signature:

Shane A. Ellis

Comments:

LAB #

LAB USE ONLY

SAMPLE IDENTIFICATION

SAMPLING

MATRIX

PRESERVATIVE METHOD

DATE

TIME

WATER

SOIL

HCL

HNO<sub>3</sub>

ICE

None

# CONTAINERS

FILTERED (Y/N)

BTEX 8021B BTEX 8260B

TPH TX1005 (Ext to C35)

TPH 8015M (GRO - DRO - ORO - MRO)

PAH 8270C

Total Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8260B / 624

GC/MS Semi. Vol. 8270C/625

PCB's 8082 / 608

NORM

PLM (Asbestos)

Chloride

Chloride Sulfate TDS

General Water Chemistry (see attached list)

Anion/Cation Balance

Hold

ANALYSIS REQUEST  
(Circle or Specify Method No.)

Relinquished by:

Shane A. Ellis

Date:

4/17/23

Received by:

Shane A. Ellis

Date:

4/17/23 1315

Relinquished by:

Shane A. Ellis

Date:

4/17/23

Received by:

Shane A. Ellis

Date:

4/17/23

Relinquished by:

Shane A. Ellis

Date:

4/17/23

Received by:

Shane A. Ellis

Date:

4/17/23

LAB USE ONLY

REMARKS:

☒ STANDARD

☐ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

Sample Temperature

51.8°C

4.5: #113

ORIGINAL COPY



Release Characterization Work Plan  
Maverick Permian, LLC  
EVGSAU 2437-001  
Incident ID: nAPP2310154072

May 4, 2023

## **ATTACHMENT 4 – PHOTOGRAPHIC DOCUMENTATION**





☉ 357°N (T) LAT: 32.816726 LON: -103.505926 ±3m ▲ 1221m



Site Assessment  
Tetra Tech

Maverick - EVGSAU  
Apr 04 2023, 08:39:39 MDT





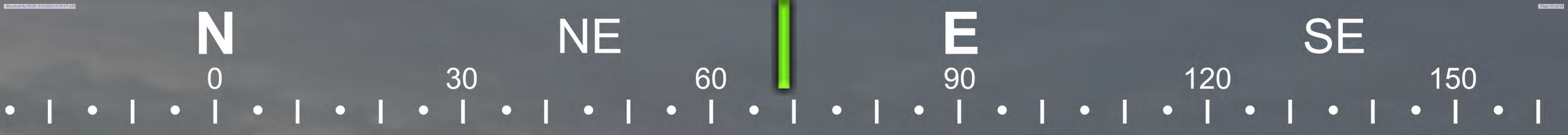
☀ 357°N (T) LAT: 32.816725 LON: -103.505922 ±4m ▲ 1221m



Site Assessment  
Tetra Tech

Maverick - EVGSAU  
Apr 04 2023, 08:39:43 MDT





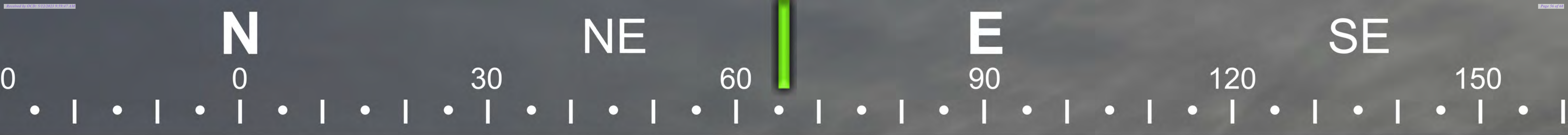
☉ 69°E (T) LAT: 32.817005 LON: -103.506026 ±4m ▲ 1215m



Site Assessment  
Tetra Tech

Maverick - EVGSAU  
Apr 04 2023, 08:40:52 MDT





☀ 66°NE (T) LAT: 32.816868 LON: -103.506213 ±4m ▲ 1223m



Site Assessment  
Tetra Tech

Maverick - EVGSAU  
Apr 04 2023, 08:41:08 MDT





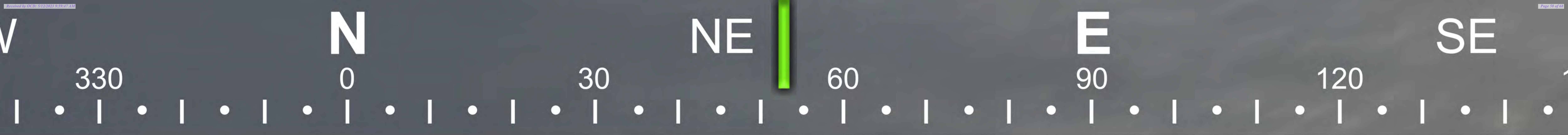
☉ 66°NE (T) LAT: 32.816872 LON: -103.506213 ±4m ▲ 1223m



Site Assessment  
Tetra Tech

Maverick - EVGSAU  
Apr 04 2023, 08:41:12 MDT





☀ 53°NE (T) LAT: 32.816751 LON: -103.506203 ±4m ▲ 1222m



Site Assessment  
Tetra Tech

Maverick - EVGSAU  
Apr 04 2023, 08:41:24 MDT





☀ 45°NE (T) LAT: 32.816677 LON: -103.506131 ±4m ▲ 1219m



Site Assessment  
Tetra Tech

Maverick - EVGSAU  
Apr 04 2023, 08:41:36 MDT





☉ 274°W (T) LAT: 32.816803 LON: -103.505978 ±7m ▲ 1218m



Site Assessment  
Tetra Tech

Maverick - EVGSAU  
Apr 04 2023, 10:18:51 MDT





☉ 183°S (T) LAT: 32.816829 LON: -103.505993 ±4m ▲ 1220m



Site Assessment  
Tetra Tech

Maverick - EVGSAU  
Apr 04 2023, 10:18:58 MDT





☀ 357°N (T) LAT: 32.816831 LON: -103.505984 ±4m ▲ 1221m



Site Assessment  
Tetra Tech

Maverick - EVGSAU  
Apr 04 2023, 10:19:02 MDT



Release Characterization Work Plan  
Maverick Permian, LLC  
EVGSAU 2437-001  
Incident ID: nAPP2310154072

May 4, 2023

## **ATTACHMENT 5 – NMSLO SEED MIXTURE DETAILS**



**NMSLO Seed Mix****Coarse (CS)****COARSE (CS) SITES SEED MIXTURE:**

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
<b>Grasses:</b>			
Sand bluestem	VNS, Southern	2.0	F
Sideoats grama	Vaughn, El Reno	2.0	F
Blue grama	Hachita, Lovington	1.5	D
Little bluestem	Cimmaron, Pastura	1.5	F
Sand dropseed	VNS, Southern	1.0	S
Plains bristlegrass	VNS, Southern	0.75	D
<b>Forbs:</b>			
Parry penstemon	VNS, Southern	1.0	D
Desert globemallow	VNS, Southern	1.0	D
White prairieclover	Kaneb, VNS	0.5	D
Sulfur buckwheat	VNS, Southern	0.5	D
<b>Shrubs:</b>			
Fourwing saltbush	VNS, Southern	1.0	D
Skunkbush sumac	VNS, Southern	1.0	D
Common winterfat	VNS, Southern	1.0	F
Fringed sagewort	VNS, Southern	0.5	F
<b>Total PLS/acre</b>		<b>18.25</b>	

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box

- VNS, Southern – No Variety Stated, seed should be from a southern latitude collection of this species.
- Double above seed rates for broadcast or hydroseeding.
- If Parry is not available, substitute firecracker penstemon.
- If desert globemallow is not available, substitute scarlet globemallow.
- If one species is not available, provide a suggested substitute to the New Mexico Land Office for approval. Increasing all other species proportionately may be acceptable.





Map Unit Description: Kimbrough-Lea complex, dry, 0 to 3 percent slopes---Lea County, New Mexico

EVGSAU 0546-038

## Lea County, New Mexico

### KU—Kimbrough-Lea complex, dry, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2tw46

*Elevation:* 2,500 to 4,800 feet

*Mean annual precipitation:* 14 to 16 inches

*Mean annual air temperature:* 57 to 63 degrees F

*Frost-free period:* 180 to 220 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Kimbrough and similar soils:* 45 percent

*Lea and similar soils:* 25 percent

*Minor components:* 30 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Kimbrough

##### Setting

*Landform:* Playa rims, plains

*Down-slope shape:* Convex, linear

*Across-slope shape:* Concave, linear

*Parent material:* Loamy eolian deposits derived from sedimentary rock

##### Typical profile

*A - 0 to 3 inches:* gravelly loam

*Bw - 3 to 10 inches:* loam

*Bkkm1 - 10 to 16 inches:* cemented material

*Bkkm2 - 16 to 80 inches:* cemented material

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* 4 to 18 inches to petrocalcic

*Drainage class:* Well drained

*Runoff class:* Very high

*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.01 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 95 percent

*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 1.0

*Available water supply, 0 to 60 inches:* Very low (about 1.4 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified



Map Unit Description: Kimbrough-Lea complex, dry, 0 to 3 percent slopes---Lea County, New Mexico

EVGSAU 0546-038

*Land capability classification (nonirrigated): 7s*  
*Hydrologic Soil Group: D*  
*Ecological site: R077DY049TX - Very Shallow 12-17" PZ*  
*Hydric soil rating: No*

## Description of Lea

### Setting

*Landform: Plains*  
*Down-slope shape: Convex*  
*Across-slope shape: Linear*  
*Parent material: Calcareous, loamy eolian deposits from the blackwater draw formation of pleistocene age over indurated caliche of pliocene age*

### Typical profile

*A - 0 to 10 inches: loam*  
*Bk - 10 to 18 inches: loam*  
*Bkk - 18 to 26 inches: gravelly fine sandy loam*  
*Bkkm - 26 to 80 inches: cemented material*

### Properties and qualities

*Slope: 0 to 3 percent*  
*Depth to restrictive feature: 22 to 30 inches to petrocalcic*  
*Drainage class: Well drained*  
*Runoff class: High*  
*Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)*  
*Depth to water table: More than 80 inches*  
*Frequency of flooding: None*  
*Frequency of ponding: None*  
*Calcium carbonate, maximum content: 90 percent*  
*Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)*  
*Sodium adsorption ratio, maximum: 3.0*  
*Available water supply, 0 to 60 inches: Very low (about 2.9 inches)*

### Interpretive groups

*Land capability classification (irrigated): None specified*  
*Land capability classification (nonirrigated): 7s*  
*Hydrologic Soil Group: D*  
*Ecological site: R077DY047TX - Sandy Loam 12-17" PZ*  
*Hydric soil rating: No*

## Minor Components

### Douro

*Percent of map unit: 12 percent*  
*Landform: Plains*  
*Down-slope shape: Linear*  
*Across-slope shape: Linear*  
*Ecological site: R077DY047TX - Sandy Loam 12-17" PZ*  
*Other vegetative classification: Unnamed (G077DH000TX)*  
*Hydric soil rating: No*



Map Unit Description: Kimbrough-Lea complex, dry, 0 to 3 percent slopes---Lea County, New Mexico

EVGSAU 0546-038

#### **Kenhill**

*Percent of map unit:* 12 percent

*Landform:* Plains

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Ecological site:* R077DY038TX - Clay Loam 12-17" PZ

*Hydric soil rating:* No

#### **Spraberry**

*Percent of map unit:* 6 percent

*Landform:* Playa rims, plains

*Down-slope shape:* Convex, linear

*Across-slope shape:* Linear

*Ecological site:* R077DY049TX - Very Shallow 12-17" PZ

*Other vegetative classification:* Unnamed (G077DH000TX)

*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 19, Sep 8, 2022





**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 216442

CONDITIONS

Operator:  Maverick Permian LLC 1111 Bagby Street Suite 1600 Houston, TX 77002	OGRID:  331199
	Action Number:  216442
	Action Type:  [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation plan approved as written. Maverik Permian has 60-days (September 29, 2023) to submit its final closure report.	7/31/2023